

CLAIMS

What is claimed is:

1. An apparatus of a capsule form digital camera, said
5 apparatus comprises:
 - a first case, wherein a shape of said first case is a sleeve;
 - a second case, wherein a shape of said second case is an arc and
is connected with said first case;
 - a third case, wherein a shape of said third case is an arc and is
10 connected with said first case and said second case to form a closed
space whose shape is a capsule form;
 - a main circuit module, wherein said main circuit module is
located into said closed space and comprises a motherboard to deal with
a digital image datum;
 - 15 a camera shutter module, wherein said camera shutter module
is located into said closed spaced and is connected with said main
circuit module to control a exposure time of said capsule form digital
camera;
 - a lithium cell, wherein said lithium cell is located into said
20 closed space and is connected with said main circuit module to provide a
power for said capsule form digital camera;
 - a universal serial bus connector, wherein said universal serial
bus connector is located into said closed space and is connected with
said main circuit module to transmit said digital image datum and a
25 current;
 - a liquid crystal display module, wherein said liquid crystal
display module is located into said closed space and is connected with
said main circuit module to provide a condition of said capsule form

digital camera; and

a camera lens frame, wherein said camera lens frame is located in said closed space to assemble a lens.

2. The apparatus according to claim 1, wherein said partial second case is in said first case.

3. The apparatus according to claim 1, wherein said third case comprises a camera lens hole.

4. The apparatus according to claim 1, wherein said lithium cell can be electrified.

5. The apparatus according to claim 4, wherein said lithium cell which can be electrified can use said universal serial bus to proceed a electrifying process.

6. An apparatus of a capsule form digital camera, said apparatus comprises:

a first case, wherein a shape of said first case is an arc ;

a main circuit module, wherein said main circuit module is assembled in said first case and comprises a motherboard to deal with a digital image datum;

a camera shutter module, wherein said camera shutter module is assembled in said first case and is connected with said main circuit module to control a exposure time of said capsule form digital camera;

a universal serial bus connector, wherein said universal serial bus connector is located on said main circuit module and is connected

with said main circuit module to transmit said digital image datum and a current;

a lithium cell which can be electrified, wherein said lithium cell which can be electrified is located on said main circuit module and is connected with said main circuit module to provide a power for said capsule form digital camera and to proceed a electrifying process by using said current;

a liquid crystal display module, wherein said liquid crystal display module comprises a liquid crystal display and a liquid crystal display circuit board and is connected with said main circuit module to provide a condition of said capsule form digital camera; and

a camera lens frame, wherein said camera lens frame is located on said main circuit module to be used to assemble a camera lens.

a second case, wherein a shape of said second case is an arc and is connected with said partial first case; and

a third case, wherein a shape of said third case is a sleeve and is connected with said first case and said second case to form a capsule form.

7. The apparatus according to claim 6, wherein said partial first case is in said third case.

8. The apparatus according to claim 6, wherein said second case comprises a camera lens hole.

9. The apparatus according to claim 6, wherein a first lens is located between said first case and said main circuit module.

10. The apparatus according to claim 9, wherein said first lens is a convex lens.

11. The apparatus according to claim 6, wherein a second lens is located between said second case and said main circuit module.

12. The apparatus according to claim 11, wherein said second lens is a concave lens.

13. An apparatus of a capsule form digital camera, said apparatus comprises:

a first case, wherein a shape of said first case is an arc ;

a main circuit module, wherein said main circuit module is assembled in said first case and comprises a motherboard to deal with a digital image datum;

a camera shutter module, wherein said camera shutter module is assembled in said first case and is connected with said main circuit module to control a exposure time of said capsule form digital camera;

a universal serial bus connector, wherein said universal serial bus connector is located on a first surface of said main circuit module and is connected with said main circuit module to be used to connected with a computer and to transmit said digital image datum and a current;

a lithium cell which can be electrified, wherein said lithium cell which can be electrified is located on said first surface of said main circuit module and is connected with said main circuit module to provide a power for said capsule form digital camera and to proceed a electrifying process by using said current;

a liquid crystal display module, wherein said liquid crystal

display module comprises a liquid crystal display and a liquid crystal display circuit board and is connected with said main circuit module to provide a condition of said capsule form digital camera;

a camera lens frame, wherein said camera lens frame is located on a second surface of said main circuit module to be used to assemble a camera lens;

a viewfinder frame, wherein said viewfinder frame is located on said second surface of said main circuit module to be used to assemble a first lens and a second lens;

a second case, wherein a shape of said second case is an arc and is connected with said partial first case; and

a third case, wherein a shape of said third case is a sleeve and is connected with said first case and said second case to form a capsule form.

14. The apparatus according to claim 13, wherein said partial first case is in said third case.

15. The apparatus according to claim 13, wherein said second case comprises a camera lens hole.

16. The apparatus according to claim 13, wherein said first lens is located between said first case and said main circuit module.

17. The apparatus according to claim 13, wherein said first lens is a convex lens.

18. The apparatus according to claim 13, wherein said

second lens is located between said second case and said main circuit module.

19. The apparatus according to claim 13, wherein said
5 second lens is a concave lens.

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